## APPENDIX D ACRONYMS AND ABBREVIATIONS

3D-VAR Three Dimensional VARiational (DOD) 4DWX Four Dimensional Weather (DOD)

AA Active Army

AAO Amarillo Area Office (DOE)

AASHTO American Association of State Highway and Transportation Officials (FHWA)

AAU Alaskan Aviation Unit (NOAA/NCEP)
ABCS Army Battle Command System (DOD)

ABFM Airborne Field Mill (NASA)
ABL Airborne Laser (DOD)

ABLE Atmospheric Boundary Layer Experiment (DOE)

AC Active Component (DOD)

AC&A Atmospheric Chemistry and Aerosols (DOE)

ACARS ARINC Communication Addressing and Reporting System

ACD Atmospheric Chemistry Division (DOE)
ACE Aviation Combat Element (DOD)
ACP Atmospheric Chemistry Program (DOE)

ACSG Atmospheric and Climate Sciences Group (DOE)

ADAPT Atmospheric Data Assimilation and Parameterization Tool (DOE)

ADAS AWOS/ASOS Data Acquisition System (FAA)
ADEOS Advanced Earth Observing System (NASA)

AEC Atomic Energy Commission (DOE)

AEP Atmospheric Emergency Preparedness (DOE)
AESS Allied Environmental Support System (DOD)

AF Air Force AFB Air Force Base

AFCCC Air Force Combat Climatology Center
AFCWC Air Force Global Combat Weather Center
AFFSA Air Force Flight Standards Agency

AFJI Air Force Joint Instruction

AFR Air Force Reserve

AFRL Air Force Research Laboratory

AFSOC Air Force Special Operations Command
AFTAC Air Force Technical Applications Center

AFW Air Force Weather
AFWA Air Force Weather Agency

AFWIN Air Force Weather Information Network
AFWWS Air Force Weather Weapon System
AGFS Aviation Gridded Forecast System (FAA)

AGRIMET A conjunction of the words "agricultural" and "meteorology", is a satellite-based network of

automated agricultural weather stations operated and maintained by the U.S. Bureau of

Reclamation (DOI)

AHPS Advanced Hydrologic Prediction Services (NOAA/NWS)

AI Aircraft Icing (NASA)

AIP Airport Improvement Program (FAA)

AIRMAP Atmospheric Investigation Regional Modeling, Analysis, and Prediction (NOAA/OAR)

AIRMoN Atmospheric Integrated Research Monitoring Network (NOAA/OAR)

AIRS Atmospheric Infrared Sounder (NASA)
AL Aeronomy Laboratory (NOAA/OAR)

ALDARS Automated Lightning Detection and Reporting System (FAA)

AMC Army Material Command

AMDAR Automatic Meteorological Data and Reporting

AMIS Automated Meteorological Information System (DOD)
AMPS Automated Meteorological Profiling System (NASA)

AMOS Automated Meteorological Observing System (DOD)

AMSU Advanced Microwave Sounding Unit AMU Applied Meteorology Unit (NASA)

ANG Air National Guard (DOD)

ANL Argonne National Laboratory (DOE)
AOC Aircraft Operations Center (NOAA)

AOML Atlantic Oceanographic and Meteorological Laboratory (NOAA/ERL)

AOR Area of Responsibility (DOD)

AOT Aerosol Optical Thickness (NOAA/NESDIS)
APT Automatic Picture Transmission (NOAA/NESDIS)

AQG Air Quality Group (DOE)

AR Army Regulation

ARAC Atmospheric Release Advisory Capability (DOE)
ARCS Atmospheric Radiation CART Sites (NOAA/OAR)

ARG Accident Response Group (DOE)

ARGO Global Array of Profiling Floats (NOAA/OAR)
ARGOS French Satellite Data Collection System
ARINC Aeronautical Radio Incorporated
ARL Army Research Laboratory

Air Resources Laboratory (NOAA and DOE)

ARM Atmospheric Radiation Monitoring (DOE)

ARNG Army National Guard ARO Army Research Office

ARS Agricultural Research Service (USDA)

Air Traffic System Requirements Service (FAA)

Atmospheric Research Section (DOE)

ARSPACE Army Space Command

ARSR Air Route Surveillance Radar (FAA)

ARSST Army Space Support Team

ARTCC Air Route Traffic Control Center (FAA)
ARTYMET Artillery Meteorological (DOD)
ARW Aviation Weather Directorate (FAA)
ASD Atmospheric Sciences Division (DOE)

ASDAR Aircraft to Satellite Data Relay

ASOG Air Support Operations Group (DOD)
ASOS Automated Surface Observing System

Air Support Operations Squadron (DOD)

ASP Atmospheric Science Program (DOE) ASR Airport Surveillance Radar (FAA)

ATC Air Traffic Control (FAA)

ATCCS Army Tactical Command and Control System

ATDD Atmospheric Turbulence and Diffusion Division (NOAA/ARL)

ATEC Army Test and Evaluation Command ATG Atmospheric Technologies Group (DOE)

ATLAS Autonomous Temperature Line Acquisition System (NOAA/OAR)

ATOS Appalachian Tropospheric Ozone Study (NOAA/AOC)

ATWIS Advanced Transportation Weather Information System (FHWA)

AVHRR Advanced Very High Resolution Radiometer (NOAA)

AVO Alaskan Volcano Observatory (DOI/USGS) AVP Advanced Vehicle Technologies Program (FTA)

AWARDS Agricultural Water Resources Decision Support (DOI/BUREC)

AWC Aviation Weather Center (NOAA/NCEP)

AWIPS Advanced Weather Interactive Processing System (NOAA)

AWN Automated Weather Network (DOD)

AWOS Automated Weather Observing System (FAA)

AWR Aviation Weather Research (FAA)
AWSS Aviation Weather Sensor System (FAA)
AWTT Aviation Weather Technology Transfer (FAA)

BASC Board on Atmospheric Sciences and Climate BCTP Battle Command Training Program (DOD)

BE Battlefield Environment (DOD)

BER Biological and Environmental Research (DOE)

BFA Battlefield Functional Areas (DOD)
BIO Basis for Interim Operations (DOE)
BLM Bureau of Land Management (DOI)
BNL Brookhaven National Laboratory (DOE)

BUFR Binary Universal Form for the Representation of Meteorological Data

BUREC Bureau of Reclamation (DOI)

C<sup>2</sup> Command and Control (DOD)

C<sup>4</sup>I Command, Control, Communications, Computers, and Intelligence (DOD)

CAAM Computer Assisted Artillery Meteorology (DOD)

CAC Combined Arms Center (DOD)

CALJET California Land-falling Jets Experiment (NOAA/OAR)

CAMEX Convective and Moisture Experiment (NASA)

CAP Civil Air Patrol

CAP88-PC Clean Air Act Assessment Package-1988 - Personal Computer (DOE)
CAPARS Computer-Assisted Protective Action Recommendation System (DOE)
CARDS Comprehensive Aerological Reference Data Set (NOAA/NCDC)

CARS Condition Acquisition and Reporting System (FHWA)

CART Clouds and Radiation Testbed (DOE)

CASPER Computer Aided System For Planning Efficient Routes (FHWA)

CAST Commercial Aviation Safety Team (FAA)

CAWIS Committee for Automated Weather Information Systems (OFCM)

CBIRF Chemical Biological Incident Response Force (DOD)
CBNP Chemical Biological Non-Proliferation Program (DOE)

Chemical Biological National Security Program (DOE)

CBOFS Chesapeake Bay Oceanographic Forecasting System (NOAA/NOS)

CBRNE Chemical, Biological, Radiological, Nuclear, or High-Yield Explosive (DOD)

CCCM Climate and Carbon Cycle Modeling (DOE)
CCM3 Community Climate Model-3 used at LANL (DOE)
CCMC Community Coordinated Modeling Center (DOD)
CCMS Committee on the Challenge of Modern Society (EPA)

CDA Command and Data Acquisition

CDFS Cloud Depiction and Forecast System (DOD)

CDPHE Colorado Department of Public Health and Environment (DOE)

CECOM Communications and Electronics Command (DOD)

CEMSCS Central Environmental Satellite Computer System (NOAA/NESDIS)

CENR Committee on Environment and Natural Resources

CEOS Committee on Earth Observation Satellites (NOAA/NESDIS)

CERES Clouds and Earth's Radiant Energy System (NASA)

CFIT Controlled Flight Into Terrain (NASA)
CFR Code of Federal Regulations (DOE)
CGSC Command and General Staff College (DO

CGSC Command and General Staff College (DOD)

CHAMMP Computer Hardware Advanced Mathematics and Model Physics (DOE)

CIASTA Cooperative Institute for Atmospheric Studies and Terrestrial Applications (NOAA/OAR)

CIEC Sea Ice Code at LANL (DOE)

CIDE Communications Interfaces and Data Exchange (OFCM)
CIOS Committee for Integrated Observing Systems (OFCM)
CIRES Cooperative Institute for Research in Environmental Sciences

CIWS Corridor Integrated Weather System (FAA)

CLASS Comprehensive Large Array-Data Stewardship System (NOAA/NESDIS)

C-MAN Coastal-Marine Automated Network
CMAQ Community Multi-scale Air Quality (EPA)

CMDL Climate Monitoring and Diagnostics Laboratory (NOAA/OAR)

CME Coronal Mass Ejection

CMFC Coordinating METOC Forecast Center (DOD)

COADS Comprehensive Ocean-Atmosphere Data Set (NOAA/NCDC)
COAMPS Coupled Ocean-Atmosphere Mesoscale Prediction System (DOD)

COARE Coupled Ocean-Atmosphere Response Experiment

COE Corps of Engineers (DOD)

COMET Cooperative Program for Operational Meteorology, Education and Training

CONUS Continental United States (DOD)
CONUSA Continental United States Armies (DOD)

COPC Committee for Operational Processing Centers (OFCM)

COOP Cooperative Observer Program (NOAA/NWS)

CORMS Continuous Real-time Monitoring System (NOAA/NOS)

COSMIC Constellation Observing System for Meteorology, Ionosphere, and Climate (DOD)

COTS Commercial Off-the-Shelf

CPC Climate Prediction Center (NOAA/NCEP)
CPHC Central Pacific Hurricane Center (NOAA/NCEP)
CRADA Cooperative Research and Development Agreement

CRN Climate Reference Network (NOAA)

CRREL Cold Regions Research and Engineering Laboratory (DOD)

CS Climate Services

CSD Climate Services Division (NOAA/NWS)

CSEPP Chemical Stockpile Emergency Preparedness Program (DOE)

CSRA Central Savannah River Area (DOE)

CSREES Cooperative State Research, Education, and Extension Service (USDA)

CSW Committee for Space Weather (OFCM)
CTA Common Table of Allowances (DOD)
CTBT Comprehensive Test Ban Treaty (DOE)
CWF Combat Weather Flight (DOD)

CWS Combat Weather Squadron (DOD)
CWSU Center Weather Service Unit (FAA)
CWT Combat Weather Team (DOD)
CXD Combined X-ray Dosimeter (DOE)

CY Calendar Year

DAC Data Assembly Center (NOAA/OAR)

DAMPS Distributed Atmospheric Modeling Prediction System (DOD)

DAT Department of Advanced Technology (DOE)
DCO Data Collection Office (NOAA/NWS)

DCP Data Collection Package

Data Collection Platform (DOI)

DCS Data Collection System (NOAA/NESDIS)

DEPSCoR Experimental Program to Stimulate Competitive Research (DOD)

DGPS Differential Global Positioning System (USGS)

DHS Department of Homeland Security

DIS Decision and Information Sciences (DOE)
DISS Digital Ionospheric Sounding System (DOD)
DMCC DOE Meteorological Coordinating Council (DOE)

DMS Dynamic Message Sign (FHWA)

DMSO Defense Modeling and Simulation Office (DOD)
DMSP Defense Meteorological Satellite Program (DOD)

DNT Dinitrotoluene (DOE)
DOC Department of Commerce
DOD Department of Defense
DOE Department of Energy
DOI Department of the Interior

DOMSAT Domestic Communications Satellite (DOI)

DOS Department of State

DOT Department of Transportation

DRA Desert Rock Meteorological Observatory at NTS (DOE)

DREC Delta Research Extension Center (USDA)
DRGS Direct Readout Ground Stations (DOI)
DRI Desert Research Institute (DOE)
DRWP Doppler Radar Wind Profiler (NASA)
DTC Developmental Test Command (DOD)
DTED Digital Terrain Elevation Data (DOD)
DTSS Digital Topographic Support System (DOD)

DUAT Direct User Access Terminal (FAA)

DURIP Defense University Research Instrumentation Program (DOD)

EAC Echelon Above Corps (DOD)

EAD Environmental Assessment Division (DOE)

EBID Environmental Biology and Instrumentation Division (DOE)
ECDIS Electronic Chart Display Information System (NOAA/NOS)
ECMWF European Centre for Medium-Range Weather Forecasting
EDAS Eta Data Assimilation System (NOAA/NESDIS)

EDAS Eta Data Assimilation System (NOAA/NESDIS)

EDIS Environmental Data and Information Service (NOAA)

EERE Office of Energy Efficiency and Renewable Energy (DOE)

ELV Expendable Launch Vehicle (NASA)

EMC Office of Environmental Management (DOE)
ENC Environmental Modeling Center (NOAA/NCEP)

European Modeling Center (NOAA/NCEP)

EMP Environmental Meteorology Program (DOE)
EMS Environmental Monitoring Section (DOE)

ENSO El Niño-Southern Oscillation

EO Electro-optical

**EOC** 

EOS

Earth Observation (NASA)
Emergency Operations Center
Earth Observing System (NASA)

EOSDIS EOS Data and Information System (NASA)

EPA Environmental Protection Agency

EPD Environmental Protection Department (DOE)

EPIC Equatorial Pacific Investigation of Climate (NOAA/AOC)

E-PIREPS Electronic Pilot Reports (FAA)

EP/RD Environmental Protection/Restoration Department (DOE)

EPZ Emergency Planning Zone (DOE)

ER Eastern Range (NASA)

Environmental Research (DOE)

ERBS Earth Radiation Budget Satellite (NASA)

ERC Extended Research Checkout

ERDA Energy Research and Development Administration (DOE)
ERDAS Eastern Range Dispersion Assessment System (NASA)
ERDC Engineering Research and Development Center (DOD)

ERL Environmental Research Laboratories (NOAA)

ESD/IPC Environmental Satellite Distribution/Interactive Processing Center (NOAA/NESDIS)

ESE Earth Science Enterprise (NASA)

ESP Energy Spectrometer for Particles (DOE)

Ensemble Streamflow Prediction (NWS)

ESS Environmental Sensor Station (FHWA)
ESSP Earth System Science Pathfinders (NASA)
ETIS Evacuation Traffic Information System (FHWA)
ETL Environmental Technology Laboratory (NOAA/OAR)

ETOS East Tennessee Ozone Study (NOAA/OAR)
ETTP East Tennessee Technology Park (DOE)
ET Toolbox Evapotranspiration Toolbox (DOI)

EUMETSAT European Organization for the Exploitation of Meteorological Satellites

EUSA Eighth U.S. Army EUV Extreme Ultraviolet

FAA Federal Aviation Administration

FALOP Forward Area Limited Observing Program (DOD)

FAS Foreign Agricultural Service (USDA)

FBA Fire Behavior Analysts (DOI)

FCCC Framework Convention on Climate Change (DOS)

FCMSSR Federal Committee for Meteorological Services and Supporting Research (OFCM)

FCS Future Combat System (DOD) FDD First Digitized Division (DOD)

FDIC Force Development and Integration Center (DOD)

FEM3MP LLNL finite element model (DOE)
FEMA Federal Emergency Management Agency

FHWA Federal Highway Administration FIRETEC Fire Code at LANL (DOE)

FIRST FAA Icing Remote Sensor Testbed (NOAA/OAR)

FIS Flight Information System (FAA)

FLENUMMETOCCEN Fleet Numerical Meteorology and Oceanography Center, Monterey, California

FMF Fleet Marine Force

FMH Federal Meteorological Handbook (OFCM)

FNMOC Fleet Numerical Meteorology and Oceanography Center (DOD)

FOA Field Operating Agency (DOD)
FORSCOM U.S. Army Forces Command

FOV Field of vision

FRA Federal Railroad Administration
FRD Field Research Division (NOAA/ARL)

FRERP Federal Radiological Emergency Response Plan (DOE)

FRMAC Federal Radiological Monitoring and Assessment Center (DOE)

FRWS Fire RAWS (DOI)

FS-21 Forecasting System 21st Century (DOD)

FS Forest Service (USDA)
FSA Farm Services Agency (USDA)

FSL Forecast Systems Laboratory (NOAA/OAR)

FSR Forest Service Research (USDA) FTA Federal Transit Administration

FTE Full-time Equivalent FTP File Transfer Protocol

FU Forecast Unit

FWS Fish and Wildlife Service (DOI)

FY Fiscal year

G-IV Gulfstream IV (NOAA)

GAA GOES Active Archive (NOAA/NESDIS)

GAC Global Area Coverage

GACC Geographic Areas Coordination Center (DOI)
GACP Global Aerosol Climatology Project (NASA)

GAPP GEWEX Applications Prediction Program (DOI/BUREC)

GAO General Accounting Office

GCCR Global Climate Change Research (DOE)
GCCS Global Command and Control System (DOD)

GCIP GEWEX Continental-scale International Project (DOI)

GCM Global Climate Models (DOE)

GCOS Global Climate Observing System (WWP)
GCPS Global Climate Perspectives System
GCRP Global Change Research Program

GDPS Global Data Processing System (WWP)

GEM Generation of weather Elements for Multiple (USDA)

GEOSAR Geostationary Earth Orbit Search and Rescue (NOAA/NESDIS)

GEWEX Global Energy and Water-Balance Experiment

GFDL Geophysical Fluid Dynamics Laboratory (NOAA/ERL)

GHCN Global Historical Climatology Network

G-IPPA Government-Industry Project Performance Agreement (FAA)

GIN Geomagnetic Information Nodes (DOI)

GIS Geographic Information System

GLD Global Lagrangian Drifters (NOAA/OAR)

GLONASS Global Navigation Satellite System (NOAA/NESDIS)
GMS Geostationary Meteorological Satellite-Japan (WWP)
GMSRA GOES Multi-Spectral Rainfall Algorithms (NOAA/NESDIS)
GOES Geostationary Operational Environmental Satellite (NOAA)

GOOS Global Ocean Observing System
GOS Global Observing System (WWP)

GOSSP Global Observing Systems Space Panel (NOAA/NESDIS)

GPCP Global Precipitation Climatology Program

GPS Global Positioning System
GPS/MET GPS for Meteorology

GRIB Gridded Binary (FM 92-X Ext.)

GRIDS Ground-based Remote Icing Detection System (NOAA/OAR)

GSFC Goddard Space Flight Center (NASA)
GSN GCOS Surface Network (WWP)

GTS Global Telecommunications System (WWP)
GTSPP Global Temperature-Salinity Profile Project

GTWAPS Global Theater Weather Analysis and Prediction System (DOD)

GUAN GCOS Upper Air Network (WWP)

HaL Hurricanes at Landfall (NOAA/OAR) HAR Highway Advisory Radio (FHWA)

HARM Hazardous Atmospheric Release Model (NOAA/OAR)

HAZMET Hazardous Material (FHWA)

HCRS Highway Closure and Restriction System (FHWA)

HDB Hydrologic DataBase (DOI)

HELSTF High Energy Laser System Test Facility (DOD)

HF High Frequency

HFRB High Frequency Regional Broadcast

HIGRAD Transport and Dispersion Model at LANL (DOE)

HIRS/3 High Resolution Infrared Radiation Sounder (NOAA/NESDIS)

HMI Hydrologic Modeling Inventory (DOI) HMSC Hazardous Materials Spill Center (DOE)

HMMWVHigh Mobility Multi-purpose Wheeled Vehicle (DOD)HPCHydrometeorological Prediction Center (NOAA/NCEP)HPCCHigh Performance Computing and Communications

HRAP Hydrologic Rainfall Analysis Project (DOI) HRD Hurricane Research Division (NOAA/ERL)

HRPT High Resolution Picture Transmission (NOAA/NESDIS)

HSA Hydrologic Service Area (NOAA/NWS)

HSM Heat Stress Monitor (DOD)

HYDROMET A network of automated hydrologic and meteorologic monitoring stations located throughout the

Pacific Northwest (DOI)

HYSPLIT Hybrid Single Particle Lagrangian Integrated Trajectory (NOAA/OAR)

HUD Head-up display (NASA)

IAMS Initial Attack Management System (DOI)
IAS International Airspace System (NOAA/NWS)

IAV Interim Armored Vehicle (DOD)
IBCT Interim Brigade Combat Teams (DOD)
ICAO International Civil Aviation Organization

ICMSSR Interdepartmental Committee for Meteorological Services and Supporting Research (OFCM)

ICSU International Council of Scientific Unions
IDCS International Data Collection System (WWP)
IEW Intelligence and Electronic Warfare (DOD)
IFFA Interactive Flash Flood Analyzer (NOAA/NESDIS)
IGBP International Geosphere Biosphere Programme (WWP)
IHC Interdepartmental Hurricane Conference (OFCM)

IIP International Ice Patrol (USCG)

IMDES Interdepartmental Meteorological Data Exchange System

IMETS Integrated Meteorological System (DOD)

Incident Meteorologists (NOAA/NWS)

INEEL Idaho National Engineering and Environmental Laboratory (DOE)

INSAT India's National Satellite (WWP)

IPB Intelligence Preparation of the Battlefield (DOD)

IPCC Intergovernmental Panel on Climate Change (WWP/DOS)
IPEX Intermountain Precipitation Experiment (NOAA/OAR)

IPO Integrated Program Office

IR Infrared

IRTSS Infrared Target Scene Simulation Software (DOD)

ISCCP International Satellite Cloud Climatology Program (NOAA/NESDIS)

ISES International Space Environment Service (NOAA/OAR)
ISIS Integrated Solar Irradiance Study (NOAA/OAR)
ISMS Integrated Safety Management System (DOE)

ISTEA Intermodal Surface Transportation Efficiency Act (FHWA)

ITCT Intercontinental Transport and Chemical Transformation (NOAA/OAR)

ITCZ Inter-tropical convergence zone

ITS Intelligent Transportation System (FHWA)
ITS-JPO ITS Joint Program Office (FHWA)

IT-RD Information Technology Research and Development (EPA)

ITWS Integrated Terminal Weather System (FAA)
IWEDA Integrated Weather Effects Decision Aid (DOD)
IWRS Improved Weather Reconnaissance System (OFCM)

IWRPC Improved Weather Reconnaissance System Program Council (OFCM)

JAAWIN Joint Air Force-Army Weather Information Network (DOD)

JAG Joint Action Group

JASL Joint Archive for Sea Level

JAWF Joint Agricultural Weather Facility (USDA)

JCS Joint Chiefs of Staff (DOD)

JCSDA Joint Center for Satellite Data Assimilation (NOAA/NCEP)

JEES Joint Environmental Exploitation Segment (DOD)

JGOFS Joint Global Ocean Flux Study

JHT Joint Hurricane Testbed (NOAA/OAR)

JMFU Joint METOC Forecasting Unit (DOD)

JMIB Joint METOC Interoperability Board (DOD)

JMV Joint METOC Viewer (DOD)

JPL Jet Propulsion Laboratory (NASA)

JSAT Joint Safety Analysis Team (FAA)

JSIT Joint Safety Implementation Team (FAA)

JSC Johnson Space Center (NASA)

JSCP Joint Strategic Capabilities Plan (DOD)

JTWC Joint Typhoon Warning Center (AF/Navy)

JWIS Joint Weather Impacts System (DOD)

KLC Kodiak Launch Center (NASA)

KM Kilometer

KSC Kennedy Space Center (NASA)

KVERT Kamchatka Volcanic Eruption Response Team (DOI)

LAAS Local Area Augmentation System (FAA)

LAC Local Area Coverage LAN Local Area Network

LANL Los Alamos National Laboratory (DOE)

LAPS Local Analysis and Prediction System (NOAA/FSL)

LDAR Lightning Detection and Ranging

LDCM Landsat Data Continuity Mission (NASA)

LDIS Local Data Integration System (NASA)

LLCC Lightning Launch Commit Criteria (NASA)

LLNL Lawrence Livermore National Laboratory (DOE)

LLWAS Low Level Wind Shear Alert System (FAA)

LLWAS-RS LLWAS-Relocation/Sustainment (FAA)

LODI Transport and Dispersion Model at LLNL (DOE)

LRGS Local Readout Ground Stations (DOI)

LSM Land Surface Model (DOD) LWS Living With A Star (NASA)

MACOM Major Army Command
MAGTF Marine Air Ground Task Force
MAJCOM Major Command (DOD)
MAW Marine Aircraft Wing

MB Millibars

MC Meteorological Codes
MCAF Marine Corps Air Facilities
MCAS Marine Corps Air Station

MCCDC Marine Corps Combat Development Command (DOD)

MCD Mesoscale Discussions (NOAA/NWS)

MCO Maintenance and Construction Operations (FHWA)
MCS Mesoscale Convective System (NOAA/OAR)
MCSP Meteorological and Climate Services Project
MCWP Marine Corps Warfighting Publication (DOD)
MDIFF Transport and Dispersion Code at INEEL (DOE)

MDCRS Meteorological Data Communications and Reporting System (WWP)

MDSS Maintenance Decision Support System (FHWA)

MeaPRS MCS Electrification and Polarimetric Radar Study (NOAA/OAR)
MEPED Medium Energy Proton and Electron Detector (NOAA/NESDIS)

MES Marine Environmental Services (OFCM)
MET Mobile Environmental Teams (DOD)

Meteorological Teams (DOD)

METMF Meteorological Mobile Facility (DOD)
METOC Meteorological and Oceanographic (DOD)
MHS Microwave Humidity Sounder (NOAA/NESDIS)

MHz Megahertz

MIMS Multimedia Integrated Modeling System (EPA)
MM5 Mesoscale Meteorological Model-Version 5.0 (DOD)

MME Mobile Meteorological Equipment (OFCM)
MMS Meteorological Measuring System (DOD)

Mineral Management Service (DOI) Modular Modeling System (DOI)

MMS-P Meteorological Measuring System-Profiler (DOD)

MOA Memorandum of Agreement

MOBY Marine Optical Buoy (NOAA/NESDIS)

MOCE Marine Optical Characterization Experiment (NOAA/NESDIS)

MODIS Moderate Resolution Imaging Spectrometer (NASA)

MOS Model Output Statistics

MPA Magnetospheric Plasma Analyzer (DOE)
MPC Marine Prediction Center (NOAA/NCEP)
MS Monitoring the Stratosphere (OFCM)
MSFC Marshall Space Flight Center (NASA)

MSL Mean sea level

MSS Meteorological Sounding System (NASA)
MST Meteorological Support Teams (DOD)
MSU Microwave Sounding Unit (NOAA/NESDIS)
MTN Main Telecommunications Network (WWP)

MTOE Modified Table of Organization and Equipment (DOD)

MTPE Mission to Planet Earth (NASA)
MWSS Marine Wing Support Squadron

N511 National 511-Traveler Information Service (FHWA)
NADIN National Airspace Data Interchange Network (FAA)

NAF Numbered Air Force

NAMIS NATO Automated Meteorological Information System (DOD) NAP Non-insured Crop Disaster Assistance Program (USDA)

NAPP National Aerial Photography Program (USDA)

NAOS North American Atmospheric Observing System (NOAA) NARAC National Atmospheric Release Advisory Center (DOE)

NARSTO North American Research Strategy for Tropospheric Ozone (EPA)

NAS National Airspace System (FAA)

National Academy of Sciences

NASA National Aeronautics and Space Administration
NASDA National Space Development Agency of Japan
NASS National Agricultural Statistics Service (USDA)
NATCOM National Communications Center (FAA)

NATO North Atlantic Treaty Organization (DOD, EPA)

NAVICECEN Naval Ice Center

NAVOCEANO Naval Oceanographic Office

NAVLANTMETOCCEN Naval Atlantic Meteorology and Oceanography Center, Norfolk, Virginia

NAVMETOCCOM Naval Meteorology and Oceanography Command

NAVPACMETOCCEN Naval Pacific Meteorology and Oceanography Center, Pearl Harbor, Hawaii

NAWPC National Aviation Weather Program Council (OFCM)

NBC Nuclear, Biological, and Chemical (DOD)

NC NOAA Corps

NCA National Command Authority (DOD)
NCAR National Center for Atmospheric Research
NCDC National Climatic Data Center (NOAA/NESDIS)

NCEP National Centers for Environmental Prediction (NOAA/NWS)

NCO NCEP Central Operations (NOAA/NCEP)

Non-commissioned officer (DOD)

NDBC National Data Buoy Center (NOAA/NWS)

NDI Non-developmental item

NDOP National Digital Orthoquad Program (USDA) NDRI Natural Disaster Reduction Initiative (NOAA)

NDVI Normalized Difference Vegetation Index (NOAA/NESDIS)

NEPA National Environmental Policy Act

NESDIS National Environmental Satellite, Data, and Information Service (NOAA)

NESHAP National Emission Standards for Hazardous Air Pollutants (DOE)

NESS National Environmental Satellite Service (NOAA)

NEST Nuclear Emergency Search Team (DOE)
NEXRAD Next Generation Weather Radar (WSR-88D)
NFIP National Flood Insurance Program (FEMA)

NFDRS National Fire Danger Rating System (DOI/BLM)
NGDC National Geophysical Data Center (NOAA/NESDIS)
NGIC National Geomagnetic Information Center (DOI)
NHC National Hurricane Center (NOAA/NCEP)
NHOP National Hurricane Operations Plan (OFCM)

NIC National Ice Center (DOT/USCG)
NIFC National Interagency Fire Center (DOI)

NIPRNET Non-secure Internet Protocol Router Network (DOD)
NIST National Institute of Standards and Technology (DOC)
NITES Navy Integrated Tactical Environmental System
NLDN National Lightning Detection Network (FAA)
NMC National Meteorological Center(s) (WWP)
NMOC Naval Meteorology and Oceanography Command

NMP New Millennium Program (NASA) NMS National Military Strategy (DOD)

NMTN National Meteorological Telecommunications Network (WWP)

NNDC NOAA National Data Center (NOAA/NESDIS)
NNSA National Nuclear Security Administration (DOE)

NNSA/NSO National Nuclear Security Administration/Nevada Site Office (DOE)

NOAA National Oceanic and Atmospheric Administration
NODC National Oceanographic Data Center (NOAA/NESDIS)

NODDS Navy Oceanographic Data Distribution System

NOGAPS Navy Operational Global Atmospheric Prediction System

NOS National Ocean Service (NOAA) NOTAMS Notices to Airmen (FAA)

NOWS NVG Operations Weather Software (DOD)

NPDES National Pollutant Discharge Elimination System (DOE)

NPN NOAA Profiler Network (NOAA/OAR)

NPOESS National Polar-orbiting Operational Environmental Satellite System

NPP NPOESS Preparatory Program (NASA)

NPS National Park Service (DOI)
NRC Nuclear Regulatory Commission

NRCS Natural Resources Conservation Service (USDA)

NRI National Research Initiative (USDA)

NRL Naval Research Laboratory

NRVR New Generation Runway Visual Range (FAA)

NSF National Science Foundation

NSIDC National Snow and Ice Data Center (NOAA)

NSO Nevada Site Office (DOE)

NSS National Security Strategy (DOD)

NSSL National Severe Storms Laboratory (NOAA)
NSTC National Science and Technology Council

NSTEP National Strategic Training and Education Plan (NOAA/NWS)

NSWP National Space Weather Program (OFCM)

NTCIP National Transportation Communications for ITS Protocol (FHWA)

N-TFS New Tactical Forecast System (DOD)
NTIS National Technical Information Service

NTS Nevada Test Site (DOE)

NTSB National Transportation Safety Board
NV Nevada Operations Office (DOE)
NVG Night vision goggles (DOD)
NWA National Wilderness Area (DOI)

NWCC National Water & Climate Center (USDA)
NWCG National Wildfire Coordinating Group (USDA)
NWIS National Water Information System (DOI)

NWLON National Water-Level Observation Network (NOAA/NOS)

NWP Numerical Weather Prediction

NWS National Weather Service

NWSRFS National Weather Service River Forecast Service (NOAA/NWS)

NWSTC National Weather Service Training Center (NOAA/NWS)

O&C Oregon and California Railroad Land Grants (DOI)
OAR Office of Oceanic and Atmospheric Research (NOAA)
OASIS Operational and Supportability Implementation System (FAA)
OCAP Operating Consortium of ASDAR Participants (WWP)

OCE Office of the Chief Economist (USDA)

OCWWS Office of Climate, Water, and Weather Services (NOAA/NWS)

OFCM Office of the Federal Coordinator for Meteorology

OGP Office of Global Programs (NOAA)
OMB Office of Management and Budget

OMEGA Operational Medicine Environmental Grid Application (DOD)

ONR Office of Naval Research
OPAREA Fleet Operational Area (DOD)

OPARS Optimum Path Aircraft Routing System (DOD)

OPS-II Operational Weather Squadron Production System, Phase II
OR&F Operations, Research, and Facilities (NOAA/NWS)
ORA Office of Research and Applications (NOAA/NESDIS)

ORAU Oak Ridge Associated Universities (DOE)
ORD Operational Requirements Documents (DOD)

ORISE Oak Ridge Institute for Science and Education (DOE)
ORPG Open Systems Radar Product Generator (NOAA/OAR)

ORR Oak Ridge Reservation (DOE)

ORNL Oak Ridge National Laboratory (DOE)
OROO Oak Ridge Operations Office (DOE)
OS-21 Observing System 21st Century (DOD)

OSC On-Scene Commander (DOE)

OSDPD Office of Satellite Data Processing and Distribution (NOAA/NESDIS)

OSEI Operational Significant Event Imagery (NOAA/NESDIS)

OSHA Occupational Safety and Health Admistration
OSO Office of Satellite Operations (NOAA/NESDIS)

OSTEP Ocean Systems Test and Evaluation Program (NOAA/NOS)

OSTP Office of Science and Technology Policy

OTH Over the horizon (NOAA/OAR)
OTW Owning the Weather (DOD)

OTSR Optimum Track Ship Routing (DOD)
OWS Operational Weather Squadron (DOD)

OWSE Operational World Weather Watch Systems Evaluation (WWP)

PAA Precipitation Accumulation Algorithm (DOI)

PAC Procurement, Acquisition, and Construction (NOAA/NWS)
PACS Polar Acquisition and Control Subsystem (NOAA/NESDIS)
PASOS Portable Automated Surface Observing System (DOD)

PATMOS Pathfinder Atmosphere (NOAA/NESDIS)

PBL Planetary Boundary Layer (DOE)
PC Program Council (OFCM)

PC Program Council (OFCM)
Personal Computer (DOE)

PCB Polychlorinated Biphenyl

PCMDI Program for Climate Model Diagnosis and Intercomparison (DOE)

PD Project Director (DOD)

PECAD Production Estimates and Crop Assessment Division (USDA)

PIBAL Pilot Balloon

PIPS Polar Ice Prediction System (NOAA/NESDIS)

PIRATA Pilot Research Moored Array in the Tropical Atlantic (NOAA/OAR)

PIREP Pilot Report

**PMC** Project Management Coordinator (DOE)

**PMEL** Pacific Marine Environmental Laboratory (NOAA/ERL)

Pacific Northwest National Laboratory (DOE) **PNNL PNT** Position, Navigation, and Timing (USCG)

**POES** Polar-orbiting Operational Environmental Satellite (NOAA)

POP Parallel Ocean Program (DOE)

Primary Oceanographic Prediction System (DOD) **POPS** 

Physical Oceanographic Real-Time System (NOAA/NOS) **PORTS** 

ppm Part per Million (DOE)

**PSDA** Post-Storm Data Acquisition (OFCM)

**PSR** Polarimetric Scanning Radiometer (NOAA/OAR)

**PUP** Principal User Processor

**QPF** Quantitative Precipitation Forecast (NOAA/NCEP)

R&A Research and Analysis R&D Research and Development

Regional Area Forecast Center (WWP) **RAFC** 

**RAMS** Regional Atmospheric Modeling System (DOE)

RAMM Branch Advanced Meteorological Satellite Demonstration and **RAMSDIS** 

Interpretation System (NOAA/NESDIS)

**RAP** Radiological Assistance Program (DOE)

Remedial Action Plan (DOE)

RARC Regional Atmospheric Response Center (DOE)

Radio Acoustic Sounding System (NOAA/OAR and DOE) RASS

RATS Radio Automatic Theodolite System (NASA) **RAWS** Remote Automatic Weather Station (USDA/DOI)

Reserve Component (DOD) RC

**RCC** Regional Climate Center (NOAA/NESDIS) Road Condition and Treatment Module (FHWA) **RCTM** 

Radar Data Acquisition **RDA** 

Research Development and Engineering Center (DOD) **RDEC** Research, Development, Test and Evaluation (DOD) **RDTE** REIP Reengineered Enterprise Infrastructure Program (DOD) **RFETS** Rocky Flats Environmental Technology Site (DOE)

Rocky Flats Operations Office (DOE) **RFOO** RFC River Forecast Center (NOAA/NWS)

Regional Meteorological Telecommunications Network (WWP) **RMTN** 

**RMWS** Remote Miniature Weather Systems (DOD) Radar Operations Center (NOAA/NWS) ROC RPC Rapid Prototype Center (NOAA/SEC)

**RSA** Range Standardization and Automation (NASA) **RSAC** Transport and Dispersion Code at INEEL (DOE) **RSMC** Regional/Specialized Meteorological Centers (WWP)

**RTH** Regional Telecommunications Hub (WWP) Rapid Update Cycle (NOAA/OAR) **RUC** 

Runway Visual Range (FAA) **RVR RWIS** 

Road Weather Information System (FHWA)

SAA Satellite Active Archive

Snow Accumulation Algorithm (DOI/BLM)

**SAFETEA** Safe, Accountable, Flexible, and Efficient Transportation Equity Act of 2003 (FHWA)

**SAMS** Stochastic Analysis, Modeling, and Simulation (DOI)

SAP Special Access Program

Synthetic Aperture Radar (NOAA/NESDIS) SAR **SARSAT** Search and Rescue Satellite Aided Tracking **SATS** Small Aircraft Transportation System (NASA) SAWS Stand Alone Weather Sensor (FAA)

SBIR Small Business Innovation Research Program

SBUV Solar Backscatter Ultra-violet Instrument (NOAA/NESDIS)

SCAN Soil Climate Analysis Network (USDA)
SCI Sensitive Compartmented Information (DOD)
SDHS Satellite Data Handling System (DOD)
SeaWiFS Sea-viewing Wide Field Scanner (NASA)
SEC Space Environmental Center (NOAA/NCEP)

Sun Earth Connection (NASA)

SEM Space Environment Monitor (NOAA)

SEMSIM Southeastern Michigan Snow and Ice Management (FHWA)

SFMR Stepped Frequency Microwave Radiometer

SGP Southern Great Plains (DOE)

**SHEBA** Surface Heat Budget of the Arctic Ocean (DOE) **SHEP** State Highway Emergency Patrol (FHWA) **SHRP** Strategic Highway Research Program (FHWA) Sea Ice in Gridded Format (NOAA/NESDIS) **SIGRID** Spacelift Range System Contract (NASA) **SLRS-C SMDC** Space and Missile Defense Command (DOE) **SMG** Spaceflight Meteorology Group (NASA) **SNDR** Subcommittee on Natural Disaster Reduction

SNL Sandia National Laboratory (DOE)

SNODEP SNOw DEPth

SNOTEL Snow Telemetry (USDA)

SOCC Satellite Operations Control Center (NOAA/NESDIS)

SODAR Sound Detection and Ranging (DOE)

SODAR/RASS Sound Detection and Ranging/Radio Acoustic Sounding System (DOE)

SOF Special Operations Forces (DOD)

SOLAS International Convention for Safety of Life at Sea (NOAA/NCEP, DHS/USCG)

SOPA Synchronous Orbit Plasma Analyzer (DOE)

SORD Special Operations and Research Division (NOAA/ARL)

SPLASH Hydrologic Code at LANL (DOE)

SPAWARSYSCOM Space and Naval Warfare Systems Command SPC Storm Prediction Center (NOAA/NCEP)

SR Savannah River (DOE) SRS Savannah River Site (DOE)

SRTC Savannah River Technology Center (DOE)

SS&WSF Snow Survey & Water Supply Forecasting (USDA)

SSOB Special Support Operations Branch (DOD)

SSM/I Special Sensor Microwave/Imager (DOC, DOD, DOI)

SST Sea Surface Temperature

SSU Stratospheric Sounding Unit (NOAA)
STAR Weather Data Format used at Pantex (DOE)

STIWG Satellite Telemetry Interagency Working Group (OFCM)

STP Solar-Terrestrial Physics

STS Special Tactics Squadron (DOD)
STT Small Tactical Terminal (DOD)

STWDSR Surface Transportation Weather Decision Support Requirements (FHWA)

SURFRAD Surface Radiation Budget Station at NTS (DOE)

SVS Synthetic Vision System (NASA)

SWA Southwest Asia (DOD)

SWAFS Space Weather Analysis and Forecasting System (DOD)

SWE Snow Water Equivalent (DOI/BUREC)

SWO Staff Weather Officer (DOD)

Space Weather Operations (NOAA/OAR)

SWR Supplemental Wether Radar (DOD)

SXI Solar X-Ray Imager (DOD)

T2 Technology transfer

TACMET-MOD Tactical Meteorological Observing System Modification (DOD)

TACWX Tactical weather (DOD)
TAF Terminal Aerodrome Forecast
TAL Transatlantic Abort Landing (NASA)

TAO Tropical Atmosphere Ocean

TAWS Target Acquisition Weather Software (DOD)
TCP Transformation Campaign Plan (DOD)

TDA Tactical Decision Aid (DOD)

TDWR Terminal Doppler Weather Radar (FAA)

TEA-21 Transportation Equity Act for the 21st Century (FHWA)

TEC Topographic Engineering Center (DOD)

Total Electron Content (DOE)

TED Total Energy Detector (NOAA/NESDIS)
TEDS Tactical Environmental Data Server (DOD)
TESS Tactical Environmental Support System (DOD)

TFU Theater Forecast Unit (DOD)

TIMEX Thunderstorm Initiation Mobile Experiment (NOAA/OAR)
TIROS Television Infrared Observation Satellite (NOAA/NESDIS)

TOC Tactical Operations Center (DOD)

TOE Table of Organization and Equipment (DOD)
TOGA Tropical Ocean and Global Atmosphere

TOVS TIROS-N Operational Vertical Sounder (NOAA/NESDIS)

TNT Trinitrotoluene (DOE)

TPC Tropical Prediction Center (NOAA/NCEP)
TPW Total Precipitable Water (NOAA/NESDIS)
TRACON Terminal Radar Approach Control (FAA)
TRADOC Training and Doctrine Command (DOD)
TRB Transportation Research Board (FHWA)

TRITON Triangle Trans-Ocean buoy Network (NOAA/OAR)
TRMM Tropical Rainfall Measuring Mission (NASA)

TRU Transuric (DOE)

TUAN Tactical Unmanned Aerial Vehicle (DOD)

TWC The Weather Channel

TWIP Terminal Weather Information for Pilots (FAA)

TWP Tropical Western Pacific (DOE)
TWR Tactical Weather Radar (DOD)

UAV Unmanned Aerial Vehicle (DOD)

UC University of Chicago or California (DOE)
UCAN Unified Climate Access Network (USDA)
UCAR University Corporation for Atmospheric Research

UHF Ultra High Frequency
UN United Nations

UNEP United Nations Environment Program
UNLV University of Nevada at Las Vegas (DOE)

UPOS University Partnering for Operational Support (DOD)

USA U.S. Army

USACE U.S. Army Corps of Engineers USAES U.S. Army Engineer School

USAF U.S. Air Force

USAFE U.S. Air Forces in Europe
USAFAS U.S. Army Field Artillery School

USAIC&FH U.S. Army Intelligence Center and Fort Huachuca

USAR U.S. Army Reserve USARAK U.S. Army Alaska

USARC U.S. Army Reserve Command

USAREUR U.S. Army Europe USARHAW U.S. Army Hawaii

USARIEM U.S. Army Research Institute of Environmental Medicine

USARJ U.S. Army Japan USARPAC U.S. Army Pacific

USASMDC U.S. Army Space and Missile Defense Command

USASOC U.S. Army Special Operations Command

USCENTCOM U.S. Central Command USCG U.S. Coast Guard

USDA U.S. Department of Agriculture USGCRP U.S. Global Change Research Program

USFS U.S. Forest Service USGS U.S. Geological Survey

USHCN U.S. Historical Climatology Network

USIABP U.S. Interagency Arctic Buoy Program (NOAA/NESDIS)

USMC U.S. Marine Corps

USMCC U.S. SARSAT Mission Control Center (NOAA/NESDIS)

USN U.S. Navy

USWRP U.S. Weather Research Program

UT University of Tennessee

UTC Universal Time Coordinated (Zulu)

UV Ultra-violet

VA Volcanic Ash

VAAC Volcanic Ash Advisory Center (NOAA/NESDIS)

VAS VISSR Atmospheric Sounder

VCP Voluntary Cooperation Program (WWP)
VIN Vegetative Index Number (USDA)
VIRS Visible and Infrared Scanner (NASA)
VISSR Visible and Infrared Spin Scan Radiometer

VORTEX Verification of the Origins of Rotation in Tornadoes Experiment (NOAA/OAR)

VOS Voluntary Observing Ship (WWP)
VPR Vertical Profile of Reflectivity (DOI)
VSAT Very Small Aperture Terminal (DOD)
VSL Variable Speed Limit (FHWA)

VTMX Vertical Transport and Mixing Experiment (DOE)

VTS Vessel Traffic System (NOAA/NOS)

WAAS Wide Area Augmentation System (FAA)
WAFC World Area Forecast Center (WWP)
WAFS World Area Forecast System (WWP)
WAOB World Agricultural Outlook Board (USDA)
WARP Weather and Radar Processor (FAA)

WaRSMP Watershed and River System Management Program (DOI)

WCT Wind Chill Temperature (OFCM)
WDA Weather Data Analysis (DOD)
WEFAX Weather Facsimile (WWP)
WETM Weather Team (DOD)

WFAS Wildland Fire Assessment System (DOI)

WFMIS Wildland Fire Management Information Site (DOI)

WFO Weather Forecast Office (NOAA/NWS)

WG Working Group

WG/VA Working Group for Volcanic Ash (DOI)

WGCV Working Group on Calibration and Validation (NOAA/NESDIS)

WINCOM Weather Information Communications (NASA)

WIDA Weather Impact Decision Aids (DOD)

WINDS Weather Information and Display System (DOE)

WIPP Waste Isolation Pilot Plant (DOE)

WIST Weather Information for Surface Transportation WMC World Meteorological Center(s) (WWP) WMO World Meteorological Organization

WMSCR Weather Message Switching Center-Replacement (FAA)

WOCE World Ocean Circulation Experiment

WPDN Wind Profile Demonstration Network (NOAA)
WPSM Warfighter Physiological Status Monitoring (DOD)

WRD Water Resources Division (DOI/USGS)
WRF Weather Research and Forecast (DOC, DOD)
WRS Weather Reconnaissance Squadron (DOD)

WSDDM Weather Support to Deicing Decision Making (FAA)

WSP Weather Systems Processor (FAA)

WSR-88D Weather Surveillance Radar-1988 Doppler (NEXRAD)
WSRC Westinghouse Savannah River Company (DOE)
WSSRAP Weldon Springs Site Remedial Action Project (DOE)

WST Weather Support Team (DOD)

WWCB Weekly Weather and Crop Bulletin (USDA)

WWP World Weather Program
WWW World Weather Watch (WMO)

World Wide Web

XOW Director of Weather (DOD)

YMP Yucca Mountain Project (DOE)